

## Recovery Plan Action Status

**Plan Name:** Recovery Plan for Upland Species of the San Joaquin Valley, California

**Plan Status:** Final

**Plan Date:** 30-Sep-98

**Lead Agency:** USFWS

**Lead Office:** Sacramento Fish And Wildlife Office

(916)

414-6600 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Buena Vista Lake ornate Shrew (Sorex ornatus relictus), Riparian woodrat (=San Joaquin Valley) (Neotoma fuscipes riparia), Palmate-bracted bird's beak (Cordylanthus palmatus), Bakersfield cactus (Opuntia treleasei), Riparian brush rabbit (Sylvilagus bachmani riparius), California jewelflower (Caulanthus californicus), Fresno kangaroo rat (Dipodomys nitratooides exilis), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Kern mallow (Eremalche kernensis), Giant kangaroo rat (Dipodomys ingens), Tipton kangaroo rat (Dipodomys nitratooides), San Joaquin woolly-threads (Monolopia (=Lembertia) congdonii)	2	1.1	Develop regional cooperative program that coordinates land use planning and biodiversity conservation	Ongoing Not Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, California Department of Fish and Game	Other: Information and Education	Internal Technical Assistance	

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California jewelflower ( <i>Caulanthus californicus</i> ), Blunt-nosed leopard lizard ( <i>Gambelia silus</i> ), San Joaquin kit fox ( <i>Vulpes macrotis mutica</i> ), Giant kangaroo rat ( <i>Dipodomys ingens</i> ), San Joaquin woolly-threads ( <i>Monolopia</i> (=Lembertia) <i>congonii</i> )	1	2.1.12	Protect, restore, and enhance the Carrizo Plain Natural Area	Ongoing Current	FY 1995 - FY 1999		California Department of Fish and Game, The Nature Conservancy, U.S. Army Corps of Engineers, Private landowners	Acquisition: Easement	Internal Field Assistance	

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California jewelflower (Caulanthus californicus), San Joaquin kit fox (Vulpes macrotis mutica)	1	2.1.15	Protect and manage natural lands adaptively in the Kreyenhagen Hills	Ongoing Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, Private landowners	Acquisition: Easement	Contract	Depends partly on 1.2.2
California jewelflower (Caulanthus californicus), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Kern mallow (Eremalche kernensis), San Joaquin woolly-threads (Monolopia (=Lembertia) congdonii)	1	2.1.4	Protect natural lands on Valley floor and piedmont slopes of western Kern Co.	Partially Complete	FY 1995 - FY 1999		California Department of Water Resources, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition: Easement	Internal Administrative	This task is for administrative actions only; depends on 1.2.2
Bakersfield cactus (Opuntia treleasei), California jewelflower (Caulanthus californicus)	1	2.2.18	Protect natural land in Bena Hills-Caliente Hills and develop specialty reserves for multiple plant species	Not Started			U.S. Fish and Wildlife Service, Private landowners	Acquisition: Easement	Contract	Depends on 1.2.2



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California jewelflower (Caulanthus californicus), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Giant kangaroo rat (Dipodomys ingens), San Joaquin woolly-threads (Monolopia (=Lembertia) congdonii)	1	2.2.23	Protect natural communities for California jewelflower and other featured species at Santa Barbara Canyon	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service, Private landowners	Acquisition: Easement	Contract	Depends partly on 1.2.2
California jewelflower (Caulanthus californicus), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Tipton kangaroo rat (Dipodomys nitratoides nitratoides)	2	2.2.9	Protect natural land for multiple plant species in the Devil's Den area	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition: Easement	Contract	Depends on 1.2.2

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Bakersfield cactus (Opuntia treleasei), California jewelflower (Caulanthus californicus)	1	3.2.2	Conduct surveys for target plant species in the Caliente-Bena Hills	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition	Labor type not yet selected	
Bakersfield cactus (Opuntia treleasei), California jewelflower (Caulanthus californicus)	2	3.2.3	Conduct surveys for target plant species at Rancheria Gulch/Adobe Canyon	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Population Surveys	Contract	

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California jewelflower (Caulanthus californicus), Kern mallow (Eremalche kernensis), San Joaquin wooly-threads (Monolopia (=Lembertia) congdonii)	1	3.2.7	Conduct surveys for target plant species at Elk Hills	Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, U.S. Department of Energy	Research: Population Surveys	Contract	
California jewelflower (Caulanthus californicus), Kern mallow (Eremalche kernensis), San Joaquin wooly-threads (Monolopia (=Lembertia) congdonii)	1	3.2.8	Conduct surveys for target plant species on the west side of the southern Valley	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Population Surveys	Contract	
California jewelflower (Caulanthus californicus)	2	3.2.9	Conduct surveys for California jewelflower at Cottonwood Pass	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Research: Population Surveys	Contract	
California jewelflower (Caulanthus californicus)	2	4.1	Conduct multiple research and monitoring tasks for California jewelflower in Santa Barbara Canyon	Ongoing Not Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Research: Population Surveys	Contract	Monitoring ongoing
California jewelflower (Caulanthus californicus), San Joaquin wooly-threads (Monolopia (=Lembertia) congdonii)	2	4.3	Conduct multiple research and monitoring tasks for multiple plant species on the Carrizo Plain	Ongoing Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, The Nature Conservancy	Research: Management Techniques	Contract	Monitoring ongoing, research 5-10 years
California jewelflower (Caulanthus californicus)	2	4.31	Conduct multiple research tasks and monitoring for multiple plant and animal species at the Kreyenhagen Hills	Unknown	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, Private landowners	Research: Habitat Requirements	Contract	Monitoring ongoing, research 5 years

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California jewelflower (Caulanthus californicus), Blunt-nosed leopard lizard (Gambelia silus), Giant kangaroo rat (Dipodomys ingens), San Joaquin woolly-threads (Monolopia (=Lembertia) congdonii)	2	4.4	Conduct multiple research and monitoring tasks for multiple animal species on the Carrizo Plain	Ongoing Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, The Nature Conservancy	Research: Habitat Status	Graduate Student	Monitoring ongoing, research for 5 years. Giant kangaroo rat study started in 2008.
California jewelflower (Caulanthus californicus)	3	4.71	Conduct matrix projection modeling for California jewelflower	Not Started			U.S. Fish and Wildlife Service	Research: Other Information	Contract	

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Bakersfield cactus (Opuntia treleasei), California jewelflower (Caulanthus californicus), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica)	2	5.3.3	Protect grassland and oak savana on east and southeastern edge of Valley for several listed species	Discontinued	FY 1995 - FY 1999		City governments, County governments, U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition: Easement	Contract	Depends on 1.2.2

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California jewelflower (Caulanthus californicus), Blunt-nosed leopard lizard (Gambelia silus), San Joaquin kit fox (Vulpes macrotis mutica), Kern mallow (Eremalche kernensis), Giant kangaroo rat (Dipodomys ingens), San Joaquin woolly-threads (Monolopia (=Lembertia) congdonii)	2	5.3.8	Protect grass and shrubland communities on southwestern Valley edge from McKittrick to Maricopa and eastward and northward to Kern River, east of Bakersfield	Planned			California Department of Water Resources, Unknown, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game	Acquisition: Easement	Contract	Depends on 1.2.2

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California jewelflower (Caulanthus californicus)	2	7.4	Propagate California jewelflower in greenhouses and reintroduce to appropriate habitat as necessary	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Management: Propagation	Contract	Propagation costs